

IN THE SPECIFICATION

Please insert the following paragraph on page 1 after the title of the invention and before the "TECHNICAL FIELD":

--RELATED APPLICATION

This application is a national phase of PCT/JP2004/018464 filed on December 10, 2004, which claims priority from Japanese Application No. 2003-419962 filed on December 17, 2003, the disclosures of which Applications are incorporated by reference herein. The benefit of the filing and priority dates of the International and Japanese Applications is respectfully requested.--

The following paragraphs will replace all prior versions of them in the specification of the application.

1) On page 12, line 5, please amend as follows:

114, 403, 503 recording position deviation correction control section

2) On page 12, line 6, please amend as follows:

115, 202, 403, 503 recording position deviation ~~correction~~ control section

3) On page 12, line 9, please insert the line as follows:

202 sector top position storing section

4) On page 16, lines 4 and 13, please amend the paragraph as follows:

The physical address position interpolation section 112 interpolates the physical address position using the physical address position interval information that is obtained from the physical

address position interval measuring section ~~112~~ 111 on the basis of the physical address position information that is stored in the physical address position storing section 110. Here, figure 2 shows a diagram illustrating the interpolation processing for interpolating the physical address positions by the physical address interpolating section 112. As shown in figure 2, the physical address position interpolation section 112 repeatedly applies the physical address position intervals that are obtained from the physical address position interval measuring section ~~112~~ 111 to the physical address position information that are obtained from the physical address position storing position 110, thereby obtaining desired physical addresses by interpolation.

5) On page 23, line 21, please amend the paragraph as follows:

Besides, while in the recording position deviation correction apparatus according to the first embodiment, the physical address position interval is detected by detecting the period number for each physical address position interval of the wobble signals in the physical address position interval measuring section 111, the physical address position interval measuring section 111 may be provided with a timer section 116, and the physical address position interval may be measured by using the timer section 116 as shown in figure 4. Particularly, since the distant interval between the physical addresses is known, the physical address position interval measuring section 111 may measure the detection intervals between the physical address positions may be measured using the timer section ~~117~~ 116 on the basis of rotation speed information of the optical disc 100 that is obtained from the spindle motor 102.

6) On page 44, line 9, please amend the paragraph as follows:

The physical address obtaining optical head 502 always irradiates a laser power for reproduction in both processing of recording and reproduction, and receives the reflected light. This block is mainly used for detecting the physical address position. Besides, the region where the physical address obtaining optical head ~~118~~ 502 irradiates the laser light to the optical disc 100, is a region in front to the region where the laser is irradiated to the optical disc 100 by the optical head 103. Thereby, when the physical address is employed in a processing concerning the optical head 103, it is possible to utilize the physical address position which is obtained from the physical address obtaining optical head 502.